L Number	Hits	Search Text	DB	Time stamp
1	6	("3440141").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:54
2	2303	triphosgene	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:58
3	158	558/280.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:58
4	168	558/282.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:59
5	266	558/280.ccls. or 558/282.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 06:59
6	4	triphosgene and (558/280.ccls. or 558/282.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:20
7	409575	carbonate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:23
8	554	triphosgene same carbonate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:21
9	6	"bis(trichloromethyl)carbonate"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:51
10	2	chhloroformate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:06
11	25884	chloroformate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:24
12	356	(triphosgene same carbonate) and chloroformate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:24
13	181	(triphosgene same carbonate) same chloroformate	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:24
14	6	"bistrichloromethylcarbonate"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 07:51
15	2	6306818.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:30
16	2	5854289.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:33
17	3	2799461.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:43

18	2	5846942.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/31 08:43

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
1	IS&R	L1	6	("3440141").PN.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 06:54		
2	BRS	L2	2303	triphosgene	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 06:58		
3	BRS	L3	158	558/280.ccls.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 06:58		
4	BRS	L4	168	558/282.ccls.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 06:59		
5	BRS	L5	266	l3 or l4	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 06:59		
6	BRS	L6	4	l2 and l5	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 07:20		
7	BRS	L7	409575	carbonate	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 07:23		

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1	0
2	0
3	0
4	0
5	0
6	0
7	0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
8	BRS	L8	554	l2 same l7	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 07:21		
9	BRS	L9	6	"bis(trichloromethyl)carbonate"	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 07:51		
10	BRS	L10	2	chhloroformate	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 08:06		
11	BRS	L11	25884	chloroformate	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 07:24		
12	BRS	L12	356	l8 and l11	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 07:24		
13	BRS	L13	181	l8 same l11	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 07:24		
14	BRS	L14	6	"bistrichloromethylcarbonate"	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 07:51		

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8	0
9	0
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11	0
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	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition
15	BRS	L15	2	6306818.pn.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 08:30		
16	BRS	L16	2	5854289.pn.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 08:33		
17	BRS	L17	3	2799461.pn.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 08:43		
18	BRS	L18	2	5846942.pn.	USPAT; US-PG PUB; EPO; JPO; DERWENT	2004/08/31 08:43		

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15	0
16	0
17	0
18	0

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                                                           ENTRY     SESSION
FULL ESTIMATED COST                                         7.04       7.25

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FILE COVERS 1907 - 31 Aug 2004  VOL 141 ISS 10
FILE LAST UPDATED: 30 Aug 2004  (20040830/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

=> l1
L2          858 L1

=> chloroformate
         18841 CHLOROFORMATE
          1670 CHLOROFORMATES
L3       19423 CHLOROFORMATE
                 (CHLOROFORMATE OR CHLOROFORMATES)

=> l2 and l3
L4          141 L2 AND L3

=> l2(l)l3
L5            7 L2(L)L3

=> d l5 1-7 ti

L5   ANSWER 1 OF 7  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Synthesis of highly fluorinated chloroformates and their use as
     derivatizing agents for hydrophilic compounds and drinking-water-
     disinfection by-products

L5   ANSWER 2 OF 7  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Preparation of optically-active secondary phosphine-boranes and their
     intermediates

L5   ANSWER 3 OF 7  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   A convenient procedure for the preparation of oxime chloroformates

L5   ANSWER 4 OF 7  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Improved synthesis of (dialkylamino)pyrrolines

L5   ANSWER 5 OF 7  CAPLUS  COPYRIGHT 2004 ACS on STN
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TI Reduced-pressure phosgenation process for the preparation of aliphatic, cycloaliphatic or arylaliphatic chloroformates

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Benzaldehyde-derived chloroformates and their application towards the synthesis of methoxyfenozide-N-[(acyloxy)benzyloxy]carbonyl derivatives

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Condensation reaction of 1-oxo-4-chlorocarbonyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane with N-t-butyl-N-benzoylhydrazine

=> d l5 1-7 ti fbib abs

L5 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products
AN 2004:263234 CAPLUS
DN 140:428504
TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products
AU Vincenti, Marco; Ghiglione, Nicoletta; Valsania, Maria Carmen; Davit, Patrizia; Richardson, Susan D.
CS Dipartimento di Chimica Analitica, Universita di Torino, Turin, I-10125, Italy
SO Helvetica Chimica Acta (2004), 87(2), 370-375
CODEN: HCACAV; ISSN: 0018-019X
PB Verlag Helvetica Chimica Acta
DT Journal
LA English
AB A rapid, safe, and efficient procedure was developed to synthesize, on a small scale, fluorinated chloroformates often required to perform anal. derivatizations. This new family of agents allows straightforward derivatization of highly polar compds. (with multiple hydroxy, carboxy, and amino substituents) in the aqueous phase, compatible with gas chromatog. (GC) and GC/mass spectrometry (MS) anal. A goal of this work was to develop a derivatization procedure that would enable the detection and identification of highly polar disinfection byproducts in drinking water.
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of optically-active secondary phosphine-boranes and their intermediates
AN 2003:826838 CAPLUS
DN 139:331823
TI Preparation of optically-active secondary phosphine-boranes and their intermediates
IN Oohara, Nobuhiko; Imamoto, Tsuneo
PA Nippon Chemical Industrial Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

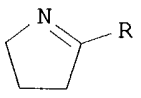
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2003300988	A2	20031021	JP 2002-104764	20020408
				JP 2002-104764	20020408

OS MARPAT 139:331823
AB Optically-active BH3PHR1R2 (I ; R1, R2 = C1-18 linear or branched alkyl,

aryl, aralkyl; R1 ≠ R2), useful as intermediates for bisphosphine ligands, are prepared by (1) reacting (±)-I with optically-active XCO2R (R = optically-active alkyl, cyclic terpenyl; X = halo) in the presence of bases, (2) separating the resulting diastereomeric mixture of BH3PR1R2CO2R (II; R, R1, R2 = same as above Me3CPHMeBH3) by repeated crystallization, and (3) hydrolyzing the resulting optically-active II in the presence of alkaline agents. E.g., a hexane solution of BuLi was added dropwise to a THF solution of Me3CPHMeBH3 (preparation given) at -78°, and after 10 min, the mixture was further treated with (1S)-endo-2-bornyl chloroformate (preparation given) at -78°, then stirred for 1 h to give 70% diastereomeric mixture of II [R = (1S)-endo-2-bornyl, R1 = CMe3, R2 = Me] (III). The diastereomeric mixture III was dissolved in hexane upon heating to 60° and the solution was gradually cooled to 0° and kept at 0° for 3 h. The resulting crystal was recrystd. and the mother liquor was concentrated and repeatedly subjected to recrystn. The collected crystals were recrystd. in hexane to give 32% (Rp)-III with 95% e.e. This diastereomer was dissolved in MeCN/MeOH and treated with KOH solution at room temperature for 4 h to give 75% (S)-Me3CPHMeBH3 with 95% e.e.

L5 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI A convenient procedure for the preparation of oxime chloroformates
AN 2003:694509 CAPLUS
DN 140:93451
TI A convenient procedure for the preparation of oxime chloroformates
AU Paryzek, Z.; Koenig, H.
CS Faculty of Chemistry, A. Mickiewicz University, Poznan, Pol.
SO Synthetic Communications (2003), 33(19), 3405-3410
CODEN: SYNCAV; ISSN: 0039-7911
PB Marcel Dekker, Inc.
DT Journal
LA English
AB Triphosgene is a convenient reagent for the preparation of O-(chloroformyl)oximes from aliphatic and aromatic ketoximes.
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Improved synthesis of (dialkylamino)pyrrolines
AN 2003:550006 CAPLUS
DN 139:364788
TI Improved synthesis of (dialkylamino)pyrrolines
AU Flosser, David A.; Olofson, Roy A.
CS Department of Chemistry, The Pennsylvania State University, University Park, PA, USA
SO Synthetic Communications (2003), 33(12), 2045-2052
CODEN: SYNCAV; ISSN: 0039-7911
PB Marcel Dekker, Inc.
DT Journal
LA English
OS CASREACT 139:364788
GI



I

AB The title compds. (I; R = NBu2, piperidino, NEt2) were prepared in 80-94% yield by reaction of I (R = OMe) with amines and their hydrochlorides. In

initial assays, the pyrrolinium salts obtained on alkylation of I (R = NBu2) are excellent "naked halide" catalysts.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

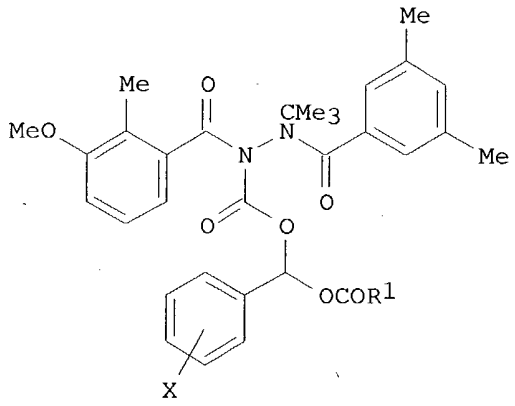
L5 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Reduced-pressure phosgenation process for the preparation of aliphatic, cycloaliphatic or arylaliphatic chloroformates
AN 2002:486174 CAPLUS
DN 137:46799
TI Reduced-pressure phosgenation process for the preparation of aliphatic, cycloaliphatic or arylaliphatic chloroformates
IN Bonnard, Hubert; Ferruccio, Laurence; Gauthier, Patricia; Senet, Jean-Pierre
PA SNPE, Fr.
SO Eur. Pat. Appl., 7 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1216983	A1	20020626	EP 2001-403256	20011214
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
			FR 2000-16880 A	20001222
FR 2818640	A1	20020628	FR 2000-16880	20001222
FR 2818640	B1	20040213		
JP 2002212135	A2	20020731	JP 2001-381794	20011214
			FR 2000-16880 A	20001222
US 2002082444	A1	20020627	US 2001-22963	20011218
US 6696590	B2	20040224		
			FR 2000-16880 A	20001222

OS CASREACT 137:46799
AB Aliphatic, cycloaliph. [e.g., (L)-menthyl chloroformate], or arylaliph. chloroformates are prepared in high yield and selectivity by the esterification of the corresponding alc. [e.g., (L)-menthol] with phosgene, diphosgene, or triphosgene at ≤95 x 103 Pa at -30° to +50° optionally in the presence of an inert solvent (e.g., toluene).

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Benzaldehyde-derived chloroformates and their application towards the synthesis of methoxyfenozide-N-[(acyloxy)benzyloxy]carbonyl derivatives
AN 2001:749800 CAPLUS
DN 136:199753
TI Benzaldehyde-derived chloroformates and their application towards the synthesis of methoxyfenozide-N-[(acyloxy)benzyloxy]carbonyl derivatives
AU Mulvihill, M. J.; Nguyen, D. V.; MacDougall, B.; Martinez-Teipel, B.; Joseph, R.; Gallagher, J.; Weaver, D.; Gusev, A.; Chung, K.; Mathis, W.
CS Rohm and Haas Company, Spring House, PA, 19477, USA
SO Tetrahedron Letters (2001), 42(44), 7751-7754
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 136:199753
GI

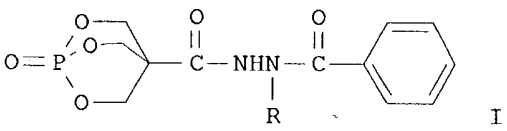


I

AB The synthesis of a series of substituted benzaldehyde-derived chloroformates and their application towards the synthesis of a diverse series of novel insecticidally active carboxylic acid [N'-tert-butyl-N'-(3,5-dimethylbenzoyl)-N-(3-methoxy-2-methylbenzoyl)hydrazinocarbonyloxy]phenylmethyl esters (I; X = H, 2-Me, 4-Me; R1 = cyclopropyl, 2-hexyl, 3-thienyl, 2- and 3-pyridyl, Et, ethenyl, etc.), prepared in a parallel synthesis fashion, is reported.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2004 ACS on STN
TI Condensation reaction of 1-oxo-4-chlorocarbonyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane with N-t-butyl-N-benzoylhydrazine
AN 2000:443685 CAPLUS
DN 133:177243
TI Condensation reaction of 1-oxo-4-chlorocarbonyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane with N-t-butyl-N-benzoylhydrazine
AU Wang, Qingmin; Huang, Runqiu
CS Research Institute of Elemento-Organic Chemistry, State Key Laboratory of Elemento-Organic Chemistry, Nankai University, Tianjin, 300071, Peop. Rep. China
SO Phosphorus, Sulfur and Silicon and the Related Elements (2000), 161, 173-179.
CODEN: PSSLEC; ISSN: 1042-6507
PB Gordon & Breach Science Publishers
DT Journal
LA English
OS CASREACT 133:177243
GI



I

AB 1-Oxo-4-chlorocarbonyl-1-phospha-2,6,7-trioxabicyclo[2.2.2]octane (5) was obtained from POCl3. Benzyl chloroformate was synthesized by the reaction of benzyl alc. and triphosgene in good yield for the 1st time. N-t-Butyl-N-benzoylhydrazine (11) was prepared in a new and convenient procedure with good yield. The reaction of 5 and 11 proceeded smoothly in the presence of Na2CO3 and afforded the desired compound I (R = tBu) in good

yield, while in the presence of NEt3, the elimination of tBu was observed and afforded I (R = H).
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> logoff hold
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 28.00 35.25

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FILE 'CAPLUS' ENTERED AT 08:01:52 ON 31 AUG 2004
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FULL ESTIMATED COST 28.44 35.69

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CA SUBSCRIBER PRICE -4.90 -4.90

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(FILE 'HOME' ENTERED AT 07:39:23 ON 31 AUG 2004)

FILE 'REGISTRY' ENTERED AT 07:39:48 ON 31 AUG 2004
E TRIPHOSGENE/CN
L1 1 E3

FILE 'CAPLUS' ENTERED AT 07:40:42 ON 31 AUG 2004
L2 858 L1
L3 19423 CHLOROFORMATE
L4 141 L2 AND L3
L5 7 L2(L)L3

=> carbonate
251567 CARBONATE
62312 CARBONATES
L6 282367 CARBONATE
(CARBONATE OR CARBONATES)

=> l4 and l6
L7 40 L4 AND L6

=> d l7 30-40 ti

L7 ANSWER 30 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Water soluble taxol derivatives

L7 ANSWER 31 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Amide derivatives from haloaminotriazines and acid halides

L7 ANSWER 32 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of oxopyridylacetamides as human leukocyte elastase inhibitors

L7 ANSWER 33 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI A convenient method to synthesize tritium-labeled N-[3H]methyl-N-nitrosocarbamate transfer reagents

L7 ANSWER 34 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Aminodeoxybestatin and epi-aminodeoxybestatin: stereospecific synthesis and aminopeptidase inhibition

L7 ANSWER 35 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of thiazolidinedione derivatives as cardiovascular agents

L7 ANSWER 36 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Cholecystokinin antagonists, their preparation and therapeutic use

L7 ANSWER 37 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Nucleoside analogs. Part 11. The acylation of N-(ω-aminoalkyl)uracils and a bicyclic isomer

L7 ANSWER 38 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Disperse azo and anthraquinone and cyanine dyes containing lactam or oxime residues

L7 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α-chloro **chloroformates**

L7 ANSWER 40 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Bis(trichloromethyl) **carbonate** as an alternative reagent for phosgene

=> d l7 39 ti fbib abs

L7 ANSWER 39 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α-chloro **chloroformates**
AN 1990:20535 CAPLUS
DN 112:20535
TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α-chloro **chloroformates**
AU Coghlan, Michael J.; Caley, Blake A.
CS Lilly Res. Lab., Eli Lilly and Co., Greenfield, IN, 46140, USA
SO Tetrahedron Letters (1989), 30(16), 2033-6
CODEN: TELEAY; ISSN: 0040-4039
DT Journal
LA English
OS CASREACT 112:20535
AB (Cl3CO)2CO (I) is a stable, crystalline reagent which reacts with aldehydes RCHO to give **chloroformates** ClCO2CHRCl. Thus, I was added to a stirred solution of cyclohexanecarboxaldehyde and pyridine in CCl4 at -20° and the resulting slurry warmed to room temp and then heated

for 1 h at 40° to give 89% chlorocyclohexylmethyl **chloroformate**.

=> d l7 19-29 ti

L7 ANSWER 19 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Triphosgene in organic chemical synthesis

L7 ANSWER 20 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of pyrazolinone derivatives as fungicides

L7 ANSWER 21 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Fire-resistant **carbonates**, their manufacture, and fire-resistant resin compositions containing them

L7 ANSWER 22 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of guanylhydrazones and their use to treat inflammatory conditions

L7 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of ester fragrance precursors

L7 ANSWER 24 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of oligodeoxynucleotides containing 2-substituted guanine derivatives using 2-fluoro-2'-deoxyinosine as common nucleoside precursor

L7 ANSWER 25 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of 2-phenyl-3-(aminoalkyl)indole derivatives as antagonists of gonadotropin releasing hormone (GnRH)

L7 ANSWER 26 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of N-substituted cycloalkyl and polycycloalkyl α-substituted Trp-Phe- and phenethylamine derivatives as anxiolytics and cholecystokinin activity-modifying agents

L7 ANSWER 27 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Taxol-7-carbazates with improved water-solubility and/or enhanced therapeutic activity

L7 ANSWER 28 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Design of imaging materials for use with photogenerated base: radiation induced β-elimination to yield poly(4-hydroxystyrene)

L7 ANSWER 29 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Pyridopyrimidones, quinolines and fused N-heterocycles as bradykinin antagonists.

=> d l7 19 ti fbib abs

L7 ANSWER 19 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Triphosgene in organic chemical synthesis
AN 2000:3758 CAPLUS
DN 132:122116
TI Triphosgene in organic chemical synthesis
AU Suvegh, Gabor; Repasi, Jozsef
CS Biochem Kft., Budapest, 1025, Hung.
SO Magyar Kemikusok Lapja (1999), 54(12), 604-607
CODEN: MGKLAL; ISSN: 0025-0163
PB Magyar Kemikusok Egyesulet
DT Journal; General Review
LA Hungarian

AB A review, with 24 refs. Triphosgene is a crystalline solid safe and easy to use as phosgene equivalent It is useful in a wide range of organic chemical: it

reacts with alcs., amines, carboxylic acids, aldehydes, amides to give chlorides, **chloroformates**, **carbonates**, polycarbonates, aldehydes, ureas, isocyanides, N-carboxy amino acid anhydrides, different heterocycles, acid chlorides, isonitriles. In these reactions, thriphosgene gives similar or better yields than phosgene.

=> d l7 23 ti fbib abs

L7 ANSWER 23 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of ester fragrance precursors
AN 1998:129457 CAPLUS
DN 128:140523
TI Preparation of ester fragrance precursors
IN Anderson, Denise; Frater, Georg
PA Givaudan-Roure (International) S.A., Switz.; Givaudan S.A.
SO Eur. Pat. Appl., 16 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 816322	A1	19980107	EP 1997-110021	19970619
	EP 816322	B1	20030326		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
				EP 1996-110157 A	19960624
				EP 1997-107133 A	19970430
	ZA 9705334	A	19971224	ZA 1997-5334	19970617
				EP 1996-110157 A	19960624
	SG 96174	A1	20030523	SG 1997-2072	19970617
				EP 1996-110157 A	19960624
				EP 1997-107133 A	19970430
	ES 2193298	T3	20031101	ES 1997-110021	19970619
				EP 1996-110157 A	19960624
				EP 1997-107133 A	19970430
	AU 9726159	A1	19980115	AU 1997-26159	19970620
	AU 727821	B2	20001221		
				EP 1996-110157 A	19960624
				EP 1997-107133 A	19970430
	CA 2208628	AA	19971224	CA 1997-2208628	19970623
				EP 1996-110157 A	19960624
				EP 1997-107133 A	19970430
	JP 10095752	A2	19980414	JP 1997-166183	19970623
				EP 1996-110157 A	19960624
				EP 1997-107133 A	19970430
	BR 9703686	A	19980901	BR 1997-3686	19970624
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				EP 1997-107133 A	19970430

PATENT FAMILY INFORMATION:
FAN 2001:772122

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6306818	B1	20011023	US 1999-317399	19990524
				EP 1996-110157 A	19960624
				EP 1997-107133 A	19970430
				US 1997-878923 B2	19970619
	ZA 9705334	A	19971224	ZA 1997-5334	19970617
				EP 1996-110157 A	19960624

OS MARPAT 128:140523
AB Fragrance precursors R1X(CR3:CR4)mCOXR2 (I; R1, R2 = fragrant alc. or mercaptan moieties derived from R1OH or R2SH, resp.; R3, R4 = H, C1-6 alkyl; X = O, S; m = 0-2) are prepared which are odorless or nearly so, but which when contacting the skin in skin-care or personal-care compns., or when used in the presence of lipases in laundry detergents or fabric softeners, provide a fragrance or a prolongation of the fabric-scenting effect. I-containing cosmetic formulations are presented. Thus, 2-phenylethanol was esterified with triphosgene, producing fragrance precursor bis(2-phenylethyl) **carbonate**.
RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l7 1-18 ti

L7 ANSWER 1 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Novel monofunctional polyethylene glycol aldehydes useful for pegylation

L7 ANSWER 2 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Procedures for their production of tetraalkylammonium salts of **carbonate** esters and pharmaceutical compositions containing these compounds

L7 ANSWER 3 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of heterocyclyl moiety-containing diamine derivatives as factor Xa inhibitors

L7 ANSWER 4 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of highly fluorinated **chloroformates** and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products

L7 ANSWER 5 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Novel monofunctional polyethylene glycol aldehydes

L7 ANSWER 6 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of omega-carboxyaryl substituted diphenyl ureas as raf kinase inhibitors

L7 ANSWER 7 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Debenzylation of Tertiary Amines Using Phosgene or Triphosgene: An Efficient and Rapid Procedure for the Preparation of Carbamoyl Chlorides and Unsymmetrical Ureas. Application in Carbon-11 Chemistry

L7 ANSWER 8 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of d-biotin

L7 ANSWER 9 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Method for identification of tumor targeting enzymes for design of compounds which generate anticancer substances

L7 ANSWER 10 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of optically active aliphatic poly- and oligocarbonates

L7 ANSWER 11 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of heterocyclic moiety-containing diamine derivatives as FXa inhibitors

L7 ANSWER 12 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of N,N'-bis(heterocyclic acyl)cycloalkanediamine and heterocyclediamine derivatives as inhibitors of activated blood coagulation factor X (factor Xa)

L7 ANSWER 13 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Microbicide compositions containing pyrazolinones for plant disease control

L7 ANSWER 14 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of piperazine derivatives as tachykinin antagonists

L7 ANSWER 15 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of 2,3-diphenylpropionic acid derivatives or their salts, medicines or cell adhesion inhibitors containing the same, and their usage

L7 ANSWER 16 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation and effect of benzimidazolylpyrimidine derivatives as SRC kinase inhibitors

L7 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Conversion of Bis(trichloromethyl) **Carbonate** to Phosgene and Reactivity of Triphosgene, Diphosgene, and Phosgene with Methanol

L7 ANSWER 18 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Derivatization of support surfaces for binding biopolymers

=> d l7 17 ti fbib abs

L7 ANSWER 17 OF 40 CAPLUS COPYRIGHT 2004 ACS on STN
TI Conversion of Bis(trichloromethyl) **Carbonate** to Phosgene and Reactivity of Triphosgene, Diphosgene, and Phosgene with Methanol
AN 2000:783429 CAPLUS
DN 134:71204
TI Conversion of Bis(trichloromethyl) **Carbonate** to Phosgene and Reactivity of Triphosgene, Diphosgene, and Phosgene with Methanol
AU Pasquato, Lucia; Modena, Giorgio; Cotarca, Livius; Delogu, Pietro; Mantovani, Silvia
CS Centro CNR Meccanismi di Reazioni Organiche and Dipartimento di Chimica Organica, Universita di Padova, Padua, 35131, Italy
SO Journal of Organic Chemistry (2000), 65(24), 8224-8228
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 134:71204
AB Triphosgene was decomposed quant. to phosgene by chloride ion. The reaction course was monitored by IR spectroscopy (React-IR), showing that diphosgene was an intermediate. The methanolysis of triphosgene in deuterated chloroform, monitored by proton NMR spectroscopy, gave Me **chloroformate** and Me 1,1,1-trichloromethyl **carbonate** in about a 1:1 ratio, as primary products. The reaction carried out in the presence of large excess of methanol (0.3 M, 30 equiv) was a pseudo-first-order process with a kobs of 1.0 + 10-4 s-1. Under the same conditions, values of kobs of 0.9 + 10-3 s-1 and 1.7 + 10-2 s-1 for the methanolysis of diphosgene and phosgene, resp., were determined The exptl. data suggest that, under these conditions, the maximum concentration of phosgene during the methanolysis of triphosgene and diphosgene was lower than 1 + 10-5 M. Me 1,1,1-trichloromethyl **carbonate** was synthesized and characterized also by the APCI-MS technique.
RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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FULL ESTIMATED COST                                       65.76      73.01

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CA SUBSCRIBER PRICE                                       -7.70      -7.70

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COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

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L8          19 DHIS

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L4          141 L2 AND L3
L5            7 L2(L)L3
L6       282367 CARBONATE
L7           40 L4 AND L6
L8           19 DHIS

=> bicarbonate
         45011 BICARBONATE
          6947 BICARBONATES
L9       49938 BICARBONATE
                (BICARBONATE OR BICARBONATES)

=> l4 and l9
L10           1 L4 AND L9
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=> d l10 ti fbib abs

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of guanylhydrazones and their use to treat inflammatory conditions
AN 1998:331368 CAPLUS
DN 129:4502
TI Preparation of guanylhydrazones and their use to treat inflammatory conditions
IN Bianchi, Marina; Cerami, Anthony; Tracey, Kevin J.; Ulrich, Peter
PA Picower Institute for Medical Research, USA
SO U.S., 44 pp., Cont.-in-part of U.S. 5,599,984.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 5750573	A	19980512	US 1995-463568		19950605
				US 1994-184540	B2	19940121
				US 1994-315170	A2	19940929
	US 5599984	A	19970204	US 1994-315170		19940929
				US 1994-184540	B2	19940121
	US 5753684	A	19980519	US 1995-471696		19950606
				US 1994-184540	B2	19940121
				US 1994-315170	A2	19940929
				US 1995-463568	A3	19950605
	US 5849794	A	19981215	US 1995-472004		19950606
				US 1994-184540	B2	19940121
				US 1994-315170	A2	19940929
				US 1995-463568	A3	19950605
	US 5859062	A	19990112	US 1995-471124		19950606
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				US 1994-315170	A2	19940929
				US 1995-463568	A3	19950605
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				US 1995-463568	A3	19950605
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				US 1994-315170	A2	19940929
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	US 2002028851	A1	20020307	US 2001-824217		20010403
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				US 1994-315170	A2	19940929
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PATENT FAMILY INFORMATION:
FAN 1995:896314

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

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PI	WO 9519767	A1	19950727	WO 1995-US828	19950119
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				US 1994-315170	A 19940929
	US 5599984	A	19970204	US 1994-315170	19940929
				US 1994-184540	B2 19940121
	AU 9518330	A1	19950808	AU 1995-18330	19950119
	AU 683999	B2	19971127		
				US 1994-184540	A 19940121
				US 1994-315170	A 19940929
				WO 1995-US828	W 19950119
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				US 1994-184540	A 19940121
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				WO 1995-US828	W 19950119
	JP 09508123	T2	19970819	JP 1995-519690	19950119
				US 1994-184540	A 19940121
				US 1994-315170	A 19940929
				WO 1995-US828	W 19950119
	AT 224707	E	20021015	AT 1995-910110	19950119
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				WO 1995-US828	W 19950119

FAN 1997:124926

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5599984	A	19970204	US 1994-315170	19940929
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	CN 1144480	A	19970305	CN 1995-192171	19950119
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NZ 330610	A	20010727	NZ 1995-330610		19950119
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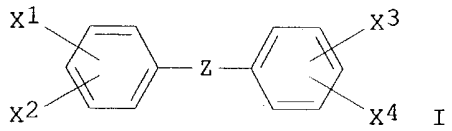
OS MARPAT 129:4502
GI



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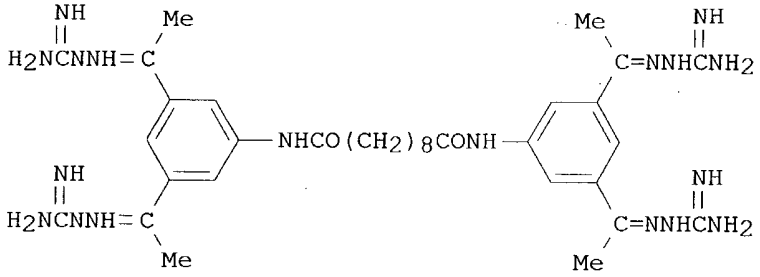

II

AB Aromatic guanylhydrazone (more properly termed amidinohydrazone) [I; X2 = GhyCH, GhyCCH3 or H, wherein Ghy = guanylhydrazono; X1, X3 and X4, independently = GhyCH or GhyCCH3; and Z = NH(CO)NH] are prepared This invention concerns new methods and compns. that are useful in preventing and ameliorating cachexia, the clin. syndrome of poor nutritional status and bodily wasting associated with cancer and other chronic diseases. More particularly, the invention relates to compns. containing amidinohydrazone I and their use to inhibit the uptake of arginine by macrophages and/or its conversion to urea. These compns. and methods are also useful in preventing the generation of nitric oxide (NO) by cells, and so to prevent NO-mediated inflammation and other responses in persons in need of same. In another embodiment, the compds. I can be used to inhibit arginine uptake in arginine-dependent tumors and infections. Thus, N,N'-bis(3,5-diacetylphenyl)decanediamide, aminoguanidine hydrochloride, and aminoguanidine dihydrochloride were heated in 91% ethanol for 18 h to give the title compound (II). II was the most active compound in vitro for inhibiting urea production in RAW 264.7 cell with IC50 of 1 μM.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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CA SUBSCRIBER PRICE	-8.40	-8.40

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LOGINID:SSSPTA1623PAZ

PASSWORD:
* * * * * * RECONNECTED TO STN INTERNATIONAL * * * * * *
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COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

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FULL ESTIMATED COST	80.89	88.14

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STRUCTURE FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4
DICTIONARY FILE UPDATES: 29 AUG 2004 HIGHEST RN 735258-95-4

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
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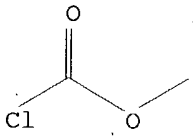

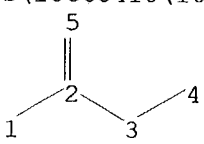

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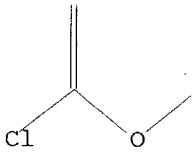
L11   STR



Structure attributes must be viewed using STN Express query preparation.

=> search l11 sss sam
SAMPLE SEARCH INITIATED 08:37:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   275 TO ITERATE

100.0% PROCESSED   275 ITERATIONS   50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 4506 TO   6494
PROJECTED ANSWERS: 1761 TO   3079

L12   50 SEA SSS SAM L11

=> search l11 sss full
FULL SEARCH INITIATED 08:37:16 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   5460 TO ITERATE

100.0% PROCESSED   5460 ITERATIONS   2681 ANSWERS
SEARCH TIME: 00.00.01

L13   2681 SEA SSS FUL L11

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
FULL ESTIMATED COST   155.84   243.98

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                 ENTRY   SESSION
CA SUBSCRIBER PRICE   0.00   -8.40

FILE 'CAPLUS' ENTERED AT 08:37:30 ON 31 AUG 2004

FILE COVERS 1907 - 31 Aug 2004 VOL 141 ISS 10
FILE LAST UPDATED: 30 Aug 2004 (20040830/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> l13
L14       18729 L13

=> save temp l14 chlorofmts/a
ANSWER SET L14 HAS BEEN SAVED AS 'CHLOROFMTS/A'

=> d his

     (FILE 'HOME' ENTERED AT 07:39:23 ON 31 AUG 2004)

     FILE 'REGISTRY' ENTERED AT 07:39:48 ON 31 AUG 2004
                E TRIPHOSGENE/CN
L1              1 E3

     FILE 'CAPLUS' ENTERED AT 07:40:42 ON 31 AUG 2004
L2            858 L1
L3          19423 CHLOROFORMATE
L4            141 L2 AND L3
L5              7 L2(L)L3
L6         282367 CARBONATE
L7             40 L4 AND L6
L8             19 DHIS
L9          49938 BICARBONATE
L10             1 L4 AND L9

     FILE 'REGISTRY' ENTERED AT 08:36:26 ON 31 AUG 2004
L11               STRUCTURE UPLOADED
L12            50 SEARCH L11 SSS SAM
L13          2681 SEARCH L11 SSS FULL

     FILE 'CAPLUS' ENTERED AT 08:37:30 ON 31 AUG 2004
L14         18729 L13
                  SAVE TEMP L14 CHLOROFMTS/A

=> l14/prep
FIELD CODES CANNOT BE CHANGED HERE
You may have tried to apply a field code to a term that already has a
field code.  You can only add a field code to a term that has no field
code appended to it.

=> l13/prep
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         18729 L13
       3190071 PREP/RL
L15       1573 L13/PREP
                (L13 (L) PREP/RL)

=> l2 and l15
L16         38 L2 AND L15

=> l6 or l9
L17     316175 L6 OR L9

=> lo16 and l17
             0 LO16
L18          0 LO16 AND L17

=> l16 and l17
L19         13 L16 AND L17

=> d l19 1-13 ti

L19  ANSWER 1 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Controlled release preparation containing proton pump inhibitors

L19  ANSWER 2 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Synthesis of highly fluorinated chloroformates and their use as
     derivatizing agents for hydrophilic compounds and drinking-water-
     disinfection by-products

L19  ANSWER 3 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   No-flow reworkable epoxy underfill compositions for protecting,
     encapsulating, fabricating in flip-chip applications

L19  ANSWER 4 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   No-flow reworkable epoxy underfills for flip-chip applications

L19  ANSWER 5 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Thermally degradable epoxy underfills for flip-chip applications

L19  ANSWER 6 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Preparation of amino acid-containing acyclic nucleoside esters as
     antiviral agents

L19  ANSWER 7 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Synthesis of oligodeoxynucleotides containing 2-substituted guanine
     derivatives using 2-fluoro-2'-deoxyinosine as common nucleoside precursor

L19  ANSWER 8 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Design of imaging materials for use with photogenerated base: radiation
     induced β-elimination to yield poly(4-hydroxystyrene)

L19  ANSWER 9 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Preparation of thiazolidinedione derivatives as cardiovascular agents

L19  ANSWER 10 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Cholecystokinin antagonists, their preparation and therapeutic use

L19  ANSWER 11 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Trichloromethyl carbonate as a practical phosgene source:
     application to the synthesis of α-chloro chloroformates

L19  ANSWER 12 OF 13  CAPLUS  COPYRIGHT 2004 ACS on STN
TI   Triphosgene:  a crystalline phosgene equivalent
```

L19 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Bis(trichloromethyl) **carbonate** as an alternative reagent for phosgene

=> d l19 1-13 ti fbib abs

L19 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Controlled release preparation containing proton pump inhibitors
AN 2004:354765 CAPLUS
DN 140:380603
TI Controlled release preparation containing proton pump inhibitors
IN Akiyama, Yohko; Kurasawa, Takashi; Bando, Hiroto; Nagahara, Naoki
PA Takeda Chemical Industries, Ltd., Japan
SO PCT Int. Appl., 371 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

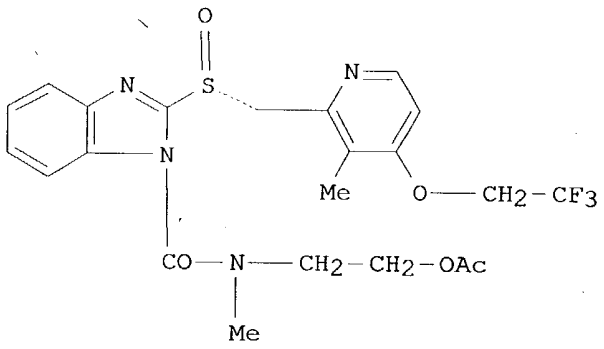
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004035020	A2	20040429	WO 2003-JP13155	20031015
	WO 2004035020	A3	20040624		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP 2002-301876	A	20021016
JP 2003-66336	A	20030312

OS MARPAT 140:380603
GI



I

AB A controlled release preparation wherein the release of active ingredient is controlled, which releases an active ingredient for an extended period of time by staying or slowly migrating in the gastrointestinal tract, is provided by means such as capsulating a tablet, granule or fine granule wherein the release of active ingredient is controlled and a gel-forming polymer. Said tablet, granule or fine granule has a release-controlled

coating-layer formed on a core particle containing an active ingredient. Many compds. such as I were prepared and formulations given, e.g., granules containing sucrose-starch spheres, R-lansoprazole, Mg **carbonate**, purified sucrose, corn starch, low-substituted hydroxypropyl cellulose, and hydroxpropyl cellulose.

L19 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products
AN 2004:263234 CAPLUS
DN 140:428504
TI Synthesis of highly fluorinated chloroformates and their use as derivatizing agents for hydrophilic compounds and drinking-water-disinfection by-products
AU Vincenti, Marco; Ghiglione, Nicoletta; Valsania, Maria Carmen; Davit, Patrizia; Richardson, Susan D.
CS Dipartimento di Chimica Analitica, Universita di Torino, Turin, I-10125, Italy
SO Helvetica Chimica Acta (2004), 87(2), 370-375
CODEN: HCACAV; ISSN: 0018-019X
PB Verlag Helvetica Chimica Acta
DT Journal
LA English
AB A rapid, safe, and efficient procedure was developed to synthesize, on a small scale, fluorinated chloroformates often required to perform anal. derivatizations. This new family of agents allows straightforward derivatization of highly polar compds. (with multiple hydroxy, carboxy, and amino substituents) in the aqueous phase, compatible with gas chromatog. (GC) and GC/mass spectrometry (MS) anal. A goal of this work was to develop a derivatization procedure that would enable the detection and identification of highly polar disinfection byproducts in drinking water.
RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI No-flow reworkable epoxy underfill compositions for protecting, encapsulating, fabricating in flip-chip applications
AN 2002:221231 CAPLUS
DN 136:248454
TI No-flow reworkable epoxy underfill compositions for protecting, encapsulating, fabricating in flip-chip applications
IN Wang, Lejun; Li, Haiying; Wong, Ching-ping
PA USA
SO U.S. Pat. Appl. Publ., 28 pp., Cont.-in-part of U. S. Ser. No. 820,549.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2002035201	A1	20020321	US 2001-860081		20010517
	US 6570029	B2	20030527			
				US 2000-193356P	P	20000329
				US 2000-205590P	P	20000517
				US 2001-820549	A2	20010329
	US 2002013420	A1	20020131	US 2001-820549		20010329
	US 6498260	B2	20021224			
				US 2000-193356P	P	20000329

PATENT FAMILY INFORMATION:
FAN 2001:730881

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI WO 2001072898 A1 20011004 WO 2001-US10095 20010329
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
US 2000-193356P P 20000329
AU 2001051096 A5 20011008 AU 2001-51096 20010329
US 2000-193356P P 20000329
WO 2001-US10095 W 20010329

FAN 2001:851529

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001088959	A2	20011122	WO 2001-US15843	20010517
WO 2001088959	A3	20020328		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

			US 2000-205590P	P 20000517
			US 2001-820549	A 20010329
US 2002013420	A1	20020131	US 2001-820549	20010329
US 6498260	B2	20021224		
			US 2000-193356P	P 20000329
AU 2001064625	A5	20011126	AU 2001-64625	20010517
			US 2000-205590P	P 20000517
			US 2001-820549	A 20010329
			WO 2001-US15843	W 20010517

AB The encapsulant includes a cycloaliph. epoxide, an organic hardener, a curing accelerator, and a fluxing agent where the cycloaliph. epoxide includes a **carbonate** or carbamate group. The encapsulant can also include a filler, such as a SiO2 filler.

L19 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI No-flow reworkable epoxy underfills for flip-chip applications
AN 2001:851529 CAPLUS
DN 136:14026
TI No-flow reworkable epoxy underfills for flip-chip applications
IN Wang, Lejun; Wong, Ching-Ping; Li, Haiying
PA Georgia Tech Research Corporation, USA
SO PCT Int. Appl., 50 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001088959	A2	20011122	WO 2001-US15843	20010517
WO 2001088959	A3	20020328		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN,

YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

			US 2000-205590P	P 20000517
			US 2001-820549	A 20010329
US 2002013420	A1	20020131	US 2001-820549	20010329
US 6498260	B2	20021224		
			US 2000-193356P	P 20000329
AU 2001064625	A5	20011126	AU 2001-64625	20010517
			US 2000-205590P	P 20000517
			US 2001-820549	A 20010329
			WO 2001-US15843	W 20010517

PATENT FAMILY INFORMATION:

FAN 2001:730881

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001072898	A1	20011004	WO 2001-US10095	20010329

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

			US 2000-193356P	P 20000329
AU 2001051096	A5	20011008	AU 2001-51096	20010329
			US 2000-193356P	P 20000329
			WO 2001-US10095	W 20010329

FAN 2002:221231

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2002035201	A1	20020321	US 2001-860081	20010517
US 6570029	B2	20030527		
			US 2000-193356P	P 20000329
			US 2000-205590P	P 20000517
			US 2001-820549	A2 20010329
US 2002013420	A1	20020131	US 2001-820549	20010329
US 6498260	B2	20021224		
			US 2000-193356P	P 20000329

AB A no-flow reworkable epoxy underfill is provided for use in an electronic packaged system which incorporates an integrated circuit, an organic printed wire board, and ≥1 eutectic solder joint formed there-between. An exemplary embodiment of the encapsulant includes: a cycloaliph. epoxide; an organic hardener; a curing accelerator; and a fluxing agent in which the cycloaliph. epoxide includes a **carbonate** or carbamate group. The encapsulant can also include a filler, such as a SiO2 filler. A method is also provided for forming the aforementioned reworkable epoxy underfills.

L19 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Thermally degradable epoxy underfills for flip-chip applications
AN 2001:730881 CAPLUS
DN 135:257990
TI Thermally degradable epoxy underfills for flip-chip applications
IN Wang, Lejun; Wong, Ching-Ping; Li, Haiying
PA Georgia Tech Research Corporation, USA
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DT Patent
LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2001072898	A1	20011004	WO 2001-US10095		20010329
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
				US 2000-193356P	P	20000329
	AU 2001051096	A5	20011008	AU 2001-51096		20010329
				US 2000-193356P	P	20000329
				WO 2001-US10095	W	20010329

PATENT FAMILY INFORMATION:

FAN 2001:851529

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2001088959	A2	20011122	WO 2001-US15843		20010517
	WO 2001088959	A3	20020328			
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
				US 2000-205590P	P	20000517
				US 2001-820549	A	20010329
	US 2002013420	A1	20020131	US 2001-820549		20010329
	US 6498260	B2	20021224			
				US 2000-193356P	P	20000329
	AU 2001064625	A5	20011126	AU 2001-64625		20010517
				US 2000-205590P	P	20000517
				US 2001-820549	A	20010329
				WO 2001-US15843	W	20010517

FAN 2002:221231

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2002035201	A1	20020321	US 2001-860081		20010517
	US 6570029	B2	20030527			
				US 2000-193356P	P	20000329
				US 2000-205590P	P	20000517
				US 2001-820549	A2	20010329
	US 2002013420	A1	20020131	US 2001-820549		20010329
	US 6498260	B2	20021224			
				US 2000-193356P	P	20000329

AB A reworkable epoxy underfill for use in electronic packaged system comprises a cycloaliph. epoxide, an organic hardener, and a curing accelerator, and optionally a filler, such as a silica filler. Thus, di-3,4-epoxycyclohexylmethyl **carbonate**/hexahydromethylphthalic anhydride 1/0.8 mol and imidazole 1% were mixed to give a resin, showing Tg 176°, storage modulus 2.6 GPa, and viscosity (25°) 0.24 Pa·s.

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Preparation of amino acid-containing acyclic nucleoside esters as antiviral agents
AN 1998:341581 CAPLUS
DN 129:28180
TI Preparation of amino acid-containing acyclic nucleoside esters as antiviral agents
IN Zhou, Xiao-Xiong; Johansson, Nils-Gunnar
PA Medivir AB, Swed.; Zhou, Xiao-Xiong; Johansson, Nils-Gunnar
SO PCT Int. Appl., 72 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 6

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 9821223	A1	19980522	WO 1997-SE1903		19971112
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
				SE 1996-4154	A	19961112
				SE 1996-4165	A	19961112
				US 1997-798218	A	19970210
				SE 1997-2957	A	19970815
				US 1997-912927	A	19970815
	AU 735438	B2	19980603	AU 1999-50759		19971112
				SE 1996-4154	A	19961112
				SE 1996-4165	A	19961112
				US 1997-798218	A	19970210
				SE 1997-2957	A	19970815
				US 1997-912927	A	19970815
				WO 1997-SE1903	W	19971112
	EP 942916	A2	19990922	EP 1997-913620		19971112
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI					
				SE 1996-4154	A	19961112
				SE 1996-4165	A	19961112
				US 1997-798218	A	19970210
				SE 1997-2957	A	19970815
				US 1997-912927	A	19970815
				WO 1997-SE1903	W	19971112
	JP 2001503767	T2	20010321	JP 1998-522480		19971112
				SE 1996-4154	A	19961112
				SE 1996-4165	A	19961112
				US 1997-798218	A	19970210
				SE 1997-2957	A	19970815
				US 1997-912927	A	19970815
				WO 1997-SE1903	W	19971112
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	EP 1123935	A3	20010905			
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				SE 1997-4147	A	19971112
				SE 1998-452	A	19980213
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			SE 1996-4165	A	19961112
			US 1997-798218	A	19970210
			SE 1997-2957	A	19970815
			US 1997-912927	A	19970815

PATENT FAMILY INFORMATION:

FAN 1999:139847

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9909031	A1	19990225	WO 1998-SE1467	19980814

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RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

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			WO 1999-SE189 W	19990212
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RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

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				SE 1998-1216	A	19980403
				ZA 1998-7267	A	19980813
				WO 1998-SE1467	W	19980814
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				ZA 1998-7267	A	19980813
				WO 1998-SE1467	W	19980814
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				SE 1998-1216	A	19980403
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				WO 1998-SE1467	W	19980814
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				WO 1999-SE194	W	19990215
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RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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				WO 1998-SE1467	W	19980814
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				US 1999-249317	A	19990212
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				ZA 1998-7267	A	19980813
				SE 1998-3438	A	19981007
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				ZA 1998-7267	A	19980813
				WO 1998-SE1467	A	19980814
				SE 1998-3438	A	19981007
				US 1999-249317	A3	19990212

FAN 1999:529162

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 9941268	A1	19990819	WO 1999-SE189		19990212
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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	WO 9909031	A1	19990225	WO 1998-SE1467		19980814
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, SI, FI, RO					
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				SE 1997-4147	A	19971112
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				SE 1997-4147	A	19971112
				SE 1998-452	A	19980213
				NZ 1998-502837	A1	19980814
	ZA 9901148	A	19990812	ZA 1999-1148		19990212
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				ZA 1998-7267	A	19980813
				WO 1998-SE1467	W	19980814
				WO 1999-SE189	W	19990212
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	EP 1058687	B1	20031210			
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				WO 1998-SE1467	A	19980814
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				WO 1998-SE1467	W	19980414
				ZA 1998-7267	A	19980813
				WO 1999-SE189	W	19990212
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				WO 1999-SE189	W	19990212

FAN 1999:529169

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	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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				SE 1998-1216	A	19980403
				ZA 1998-7267	A	19980813
				WO 1998-SE1467	W	19980814
				SE 1998-3438	A	19981007
	ZA 9807267	A	19990215	ZA 1998-7267		19980813
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	WO 9909031	A1	19990225	WO 1998-SE1467		19980814
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				SE 1997-4147	A	19971112
				SE 1998-452	A	19980213
				NZ 1998-502837	A1	19980814
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				SE 1998-452	A	19980213
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				SE 1998-452	A	19980213
				SE 1998-469	A	19980216
				SE 1998-1216	A	19980403
				ZA 1998-7267	A	19980813
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				SE 1998-3438	A	19981007
				WO 1999-SE194	W	19990215
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				SE 1998-469	A	19980216
				SE 1998-1216	A	19980403
				ZA 1998-7267	A	19980813
				WO 1998-SE1467	W	19980814
				SE 1998-3438	A	19981007
				WO 1999-SE194	W	19990215
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				ZA 1998-7267	A	19980813
				WO 1998-SE1467	W	19980814
				SE 1998-3438	A	19981007
				WO 1999-SE194	W	19990215
CA 2325523	AA	19991014		CA 1999-2325523		19990330
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				US 1999-249317	A	19990212
				WO 1999-SE194	W	19990215
				WO 1999-SE528	W	19990330
WO 9951613	A1	19991014		WO 1999-SE528		19990330
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				WO 1999-SE194	W	19990215
EP 1121366	A1	20010808		EP 1999-921327		19990330
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				ZA 1998-7267	A	19980813
				WO 1998-SE1467	W	19980814

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				WO 1999-SE194	W 19990215
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JP 2002510698	T2	20020409	JP 2000-542334		19990330
				SE 1998-1216	A 19980403
				ZA 1998-7267	A 19980813
				WO 1998-SE1467	W 19980814
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				US 1999-249317	A 19990212
				WO 1999-SE194	A 19990215
AU 9956658	A1	20000829	AU 1999-56658		19990818
AU 770801	B2	20040304			
				US 1999-249317	A 19990212
				WO 1999-SE194	W 19990215
				WO 1999-SE1403	W 19990818
EP 1150956	A1	20011107	EP 1999-943591		19990818

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

				US 1999-249317	A 19990212
				WO 1999-SE194	W 19990215
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JP 2002536435	T2	20021029	JP 2000-598482		19990818
				US 1999-249317	A 19990212
				WO 1999-SE194	W 19990215
				WO 1999-SE1403	W 19990818
US 2002128301	A1	20020912	US 2001-927254		20010810
				SE 1998-452	A 19980213
				SE 1998-469	A 19980216
				SE 1998-1216	A 19980403
				WO 1998-SE1467	W 19980414
				ZA 1998-7267	A 19980813
				SE 1998-3438	A 19981007
				US 1999-249317	A2 19990212
				WO 1999-SE194	W 19990215
				WO 1999-SE1403	A2 19990818

FAN 1999:659396

PI	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	WO 9951613	A1	19991014	WO 1999-SE528	19990330

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RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

				SE 1998-1216	A 19980403
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				WO 1998-SE1467	W 19980814

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ZA 9807267		A	19990215	ZA 1998-7267		19980813
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WO 9909031		A1	19990225	WO 1998-SE1467		19980814
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				WO 1999-SE194	W	19990215
				WO 1999-SE528	W	19990330

FAN 2002:696666

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

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				SE 1998-469 A	19980216
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				WO 1998-SE1467 W	19980414
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				SE 1998-3438 A	19981007
				US 1999-249317 A2	19990212
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				SE 1997-2957 A	19970815
				SE 1997-4147 A	19971112
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				SE 1997-4147 A	19971112
				SE 1998-452 A	19980213
				NZ 1998-502837 A1	19980814
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	US 6458772	B1	20021001	US 1999-249317	19990212
				SE 1998-452 A	19980213
				SE 1998-469 A	19980216
				SE 1998-1216 A	19980403
				ZA 1998-7267 A	19980813
				WO 1998-SE1467 W	19980814
				SE 1998-3438 A	19981007
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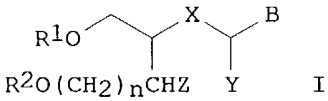
US 1999-249317 A 19990212

WO 1999-SE194 A 19990215

OS MARPAT 129:28180

GI



I

AB Mixed esters of antiviral nucleosides I, where B is natural or unnatural nucleotide base, X is O or CH2, Y and Z are each H, or together form a bond, or Y is methylene or -CH(OH)- and Z is a bond thereto; n is 0 or 1; one of R1 and R2 is the acyl residue of an aliphatic amino acid and the other is -C(=O)C5-C21 saturated or mono-unsatd. alkyl; and pharmaceutically acceptable salts thereof have advantageous pharmacokinetics and other properties. Thus, 9-(4-stearoyloxy-3-(L-valyloxymethyl)butyl)guanine was prepared and showed 22.7% bioavailability in rats.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Synthesis of oligodeoxynucleotides containing 2-substituted guanine derivatives using 2-fluoro-2'-deoxyinosine as common nucleoside precursor

AN 1997:804938 CAPLUS

DN 128:102338

TI Synthesis of oligodeoxynucleotides containing 2-substituted guanine derivatives using 2-fluoro-2'-deoxyinosine as common nucleoside precursor

AU Diaz, Antonio R.; Eritja, Ramon; Garcia, Ramon Guimil

CS European Molecular Biology Laboratory, Heidelberg, D-69117, Germany

SO Nucleosides & Nucleotides (1997), 16(10 & 11), 2035-2051
CODEN: NUNUD5; ISSN: 0732-8311

PB Marcel Dekker, Inc.

DT Journal

LA English

AB Oligonucleotides containing 2-substituted guanine derivs. with double-helix stabilizing mols. such as spermine, spermidine and propylimidazole have been prepared using protected 2-fluoro-2'-deoxyinosine phosphoramidite and two different protective strategies: the p-nitrophenylethyl and the t-butylphenoxyacetyl groups. Melting studies show a large increase on the melting temps. of duplexes containing these 2-substituted guanine derivs.

RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Design of imaging materials for use with photogenerated base: radiation induced β-elimination to yield poly(4-hydroxystyrene)

AN 1996:498310 CAPLUS

DN 125:261012

TI Design of imaging materials for use with photogenerated base: radiation induced β-elimination to yield poly(4-hydroxystyrene)

AU Urankar, Edward J.; Brehm, Isabella; Niu, Q. Jason; Frechet, Jean M. J.
CS Department Chemistry, Cornell University, Ithaca, NY, 14853-1301, USA
SO Polymeric Materials Science and Engineering (1996), 75, 429-430
CODEN: PMSEDG; ISSN: 0743-0515
PB American Chemical Society
DT Journal
LA English
AB Photoimaging polymers contain activated **carbonate** linkages in their side chains that are susceptible to base catalyzed β-eliminations to yield poly(4-hydroxystyrene). The polymers obtained by coupling reaction of chloroformate PhCH(CN)CH2OCOCl with poly(4-hydroxystyrene) provided pos. images. A resist containing this polymer and [((2-nitrobenzyl)oxy)carbonyl]4,4'-trimethylenedipiperidine was exposed with λ = 254 nm, baked at 120 °C for 3 min. and developed with 50% volume/volume of AZ312MIF in water for 45 s. Sensitivity depended on the degree of modification of the matrix and varied from 30 to 250 mJ/cm3.

L19 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Preparation of thiazolidinedione derivatives as cardiovascular agents
AN 1992:511595 CAPLUS
DN 117:111595
TI Preparation of thiazolidinedione derivatives as cardiovascular agents
IN Haigh, David; Bell, David
PA Beecham Group PLC, UK
SO PCT Int. Appl., 47 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9207838	A1	19920514	WO 1991-GB1834	19911018
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				GB 1990-23583	19901030
	AU 9187347	A1	19920526	AU 1991-87347	19911018
				GB 1990-23583	19901030
				WO 1991-GB1834	19911018
	EP 555251	A1	19930818	EP 1991-918092	19911018
	R: BE, CH, DE, FR, GB, IT, LI, NL				
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				WO 1991-GB1834	19911018
	JP 06502145	T2	19940310	JP 1991-516912	19911018
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				WO 1991-GB1834	19911018

OS MARPAT 117:111595
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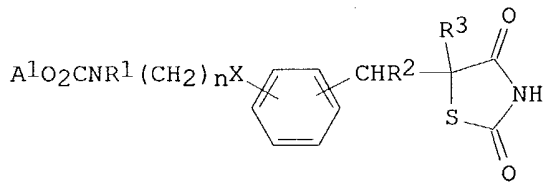

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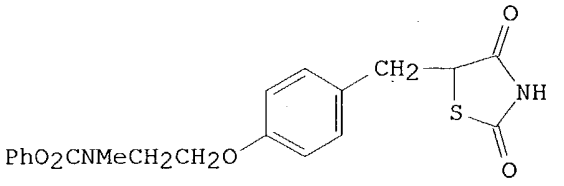

II

AB Title compds. I (A1 = alkyl, (substituted) aryl, (substituted aralkyl; R1 = H, alkyl, acyl, (substituted) aralkyl, A1R1 = (substituted) polymethylene; R2, R3 = H, R2R3 = bond; X = O, S; n = 2-6), tautomers, or their salts, useful for improved blood glucose-lowering activity, are prepared I are also useful for treatment of hyperlipidemia, cardiovascular disease (no data). 5-(4-Hydroxybenzyl)-2,4-thiazolidinedione in DMF was treated with NaH, followed by PhO2CNMeCH2CH2OSO2Me, to give II which showed a 53% reduction in blood glucose in obese mice.

L19 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Cholecystokinin antagonists, their preparation and therapeutic use
AN 1992:484251 CAPLUS
DN 117:84251
TI Cholecystokinin antagonists, their preparation and therapeutic use
IN Horwell, David Christopher; Kleinschroth, Juergen; Rees, David Charles; Richardson, Reginald Stewart; Roark, William Howard; Roberts, Edward; Roth, Bruce David; Trivedi, Bharat Kalidas; Holmes, Ann; Padia, Janak Khimchand
PA Warner-Lambert Co., USA
SO PCT Int. Appl., 211 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9204045	A1	19920319	WO 1991-US6180	19910829
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	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
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				US 1991-726655	19910712
	AU 9187492	A1	19920330	AU 1991-87492	19910829
	AU 651390	B2	19940721		
				US 1990-576628	19900831
				US 1991-726655	19910712
				WO 1991-US6180	19910829
	EP 547178	A1	19930623	EP 1991-918880	19910829
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
				US 1990-576628	19900831
				US 1991-726655	19910712
				WO 1991-US6180	19910829
	JP 06502627	T2	19940324	JP 1991-517185	19910829
				US 1990-576628	19900831
				US 1991-726655	19910712
				WO 1991-US6180	19910829

	ZA 9106922	A	19930301	ZA 1991-6922	19910830
				US 1990-576628	19900831
	NO 9300709	A	19930415	NO 1993-709	19930226
				US 1990-576628	19900831
				US 1991-726655	19910712
				WO 1991-US6180	19910829

PATENT FAMILY INFORMATION:

FAN 1997:70350

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5593967	A	19970114	US 1993-41647	19930401
				US 1990-576628	19900831
				US 1991-726655	19910712
				US 1992-839647	19920221
	ZA 9106922	A	19930301	ZA 1991-6922	19910830
				US 1990-576628	19900831
	US 5846942	A	19981208	US 1996-709316	19960909
				US 1990-576628	19900831
				US 1991-726655	19910712
				US 1992-839647	19920221
				US 1993-41647	19930401

OS MARPAT 117:84251

AB Cholecystokinin antagonists (Markush included) are provided for treatment of obesity, hypersecretion of gastric acid in the gut, gastrin-dependent tumors, psychotic behavior, anxiety, ulcers, drug withdrawal, and panic. Preparation of the antagonists and intermediates is included; 38 specific compds. are claimed. In receptor binding studies, tricyclo[3.3.1.13,7]dec-2-yl[1-((2-hydroxy-2-phenylethyl)amino)-3-(1H-indol-3-yl)-2-methylprop-2-yl]carbamate had an inhibition constant of 220 nM. Inhibition consts. for 29 other compds. are tabulated.

L19 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α-chloro chloroformates

AN 1990:20535 CAPLUS

DN 112:20535

TI Trichloromethyl **carbonate** as a practical phosgene source: application to the synthesis of α-chloro chloroformates

AU Coghlan, Michael J.; Caley, Blake A.

CS Lilly Res. Lab., Eli Lilly and Co., Greenfield, IN, 46140, USA

SO Tetrahedron Letters (1989), 30(16), 2033-6
CODEN: TELEAY; ISSN: 0040-4039

DT Journal

LA English

OS CASREACT 112:20535

AB (Cl3CO)2CO (I) is a stable, crystalline reagent which reacts with aldehydes RCHO to give chloroformates ClCO2CHRCl. Thus, I was added to a stirred solution of cyclohexanecarboxaldehyde and pyridine in CCl4 at -20° and the resulting slurry warmed to room temp and then heated for 1 h at 40° to give 89% chlorocyclohexylmethyl chloroformate.

L19 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN

TI Triphosgene: a crystalline phosgene equivalent

AN 1987:575482 CAPLUS

DN 107:175482

TI Triphosgene: a crystalline phosgene equivalent

AU Eckert, Heiner; Forster, Barbara

CS Org. Chem. Inst. Tech. Univ. Muenchen, Garching, D-8046, Fed. Rep. Ger.

SO Angewandte Chemie (1987), 99(9), 922-3
CODEN: ANCEAD; ISSN: 0044-8249

DT Journal

LA German

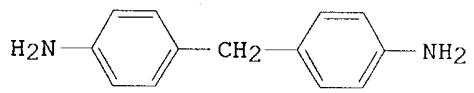
OS CASREACT 107:175482

AB (Cl3CO)2CO (I) was used for chloroformylation, carbonylation, chlorination, and dehydration. Thus, when treated with I, Cl3CCMe2OH gave 91% Cl3CCMe2O2CCl, o-MeC6H4NH2 gave 82% o-MeC6H4NCO, PhCH2CO2H gave 11% PhCH2COCl, and RCH2CH2NHCHO (R = morpholino) gave 74% RCH2CH2NC.

L19 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2004 ACS on STN
TI Bis(trichloromethyl) **carbonate** as an alternative reagent for phosgene
AN 1987:4294 CAPLUS
DN 106:4294
TI Bis(trichloromethyl) **carbonate** as an alternative reagent for phosgene
IN Eckert, Heiner
PA Fed. Rep. Ger.
SO Ger. Offen., 17 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3440141	A1	19860507	DE 1984-3440141	19841102
				DE 1984-3440141	19841102

OS CASREACT 106:4294
GI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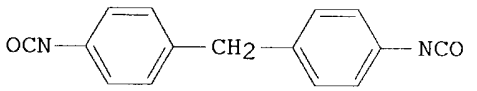
III

AB (Cl3CO)2CO (I), prepared by chlorination of (MeO)2CO, is used as an alternative to COCl2 in, e.g., the preparation of isocyanates, diisocyanates, chloroformates, and polycarbonates, etc., which find use as intermediates for plastics, pharmaceuticals, herbicides, and insecticides, etc. Thus, 5.95 g diamine II and 5.94 g I in o-Cl2C6H4 were heated at 170° for 3 h to give 84% diisocyanate III.

=> logoff hold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	85.08	329.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-9.10	-17.50

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FULL ESTIMATED COST                                    85.08     329.06

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                    -9.10     -17.50

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     (FILE 'HOME' ENTERED AT 07:39:23 ON 31 AUG 2004)

     FILE 'REGISTRY' ENTERED AT 07:39:48 ON 31 AUG 2004
               E TRIPHOSGENE/CN
L1             1 E3

     FILE 'CAPLUS' ENTERED AT 07:40:42 ON 31 AUG 2004
L2           858 L1
L3         19423 CHLOROFORMATE
L4           141 L2 AND L3
L5             7 L2(L)L3
L6        282367 CARBONATE
L7            40 L4 AND L6
L8            19 DHIS
L9         49938 BICARBONATE
L10            1 L4 AND L9

     FILE 'REGISTRY' ENTERED AT 08:36:26 ON 31 AUG 2004
L11              STRUCTURE UPLOADED
L12           50 SEARCH L11 SSS SAM
L13         2681 SEARCH L11 SSS FULL

     FILE 'CAPLUS' ENTERED AT 08:37:30 ON 31 AUG 2004
L14        18729 L13
               SAVE TEMP L14 CHLOROFMTS/A
L15         1573 L13/PREP
L16           38 L2 AND L15
L17       316175 L6 OR L9
L18            0 LO16 AND L17
L19           13 L16 AND L17

=> l16(l)l17
PROXIMITY OPERATOR LEVEL NOT CONSISTENT WITH
FIELD CODE - 'AND' OPERATOR ASSUMED 'L16(L)L17'
L20           13 L16(L)L17

=> logoff hold
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
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FULL ESTIMATED COST                                    85.96     329.94

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS),         SINCE FILE      TOTAL
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	ENTRY	SESSION
CA SUBSCRIBER PRICE	-9.10	-17.50

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 09:02:16 ON 31 AUG 2004